BULLETIN

OF THE WORLD HEALTH ORGANIZATION

DE L'ORGANISATION MONDIALE DE LA SANTÉ

VOLUME 64

1986

WORLD HEALTH ORGANIZATION
ORGANISATION MONDIALE DE LA SANTÉ
GENÈVE

PRINTED IN ENGLAND

CONTENTS

TABLE DES MATIÈRES

N° 1

Page

Update—Le point

Human viruses in sediments, sludges, and soils—*V. Chalapati Rao, T. G. Metcalf, & J. L. Melnick* 1

Encéphalite japonaise: la situation actuelle dans le monde—*T. Umenai, R. Krzysko, T. A. Bektimirov, & F. A. Assaad* 15

WHO Scientific activities—Activités scientifiques OMS

The chemotherapy of schistosomiasis control—Diarrhoeal Diseases Control Programme—The preparation of commonly used immunological and immunodiagnostic reagents—First isolation of monkeypox virus from a wild squirrel infected in nature 23

La chimiothérapie dans la lutte contre la schistosomiase—Programme de lutte contre les maladies diarrhéiques—La préparation des réactifs immunologiques d'usage courant—Premier isolement de l'orthopoxvirus simien chez un écureuil sauvage 27

Memoranda — Mémorandums

1986 Guidelines for the treatment of mild hypertension: Memorandum from a WHO/ISH Meeting 31

Second meeting of the WHO Collaborating Centres on AIDS: Memorandum from a WHO Meeting 37

Choléra: progrès récents en matière de recherche: Mémorandum d'une Réunion de l'OMS.. 47

Intérêt de l'étude des récepteurs cellulaires pour la lutte contre les affections virales: Mémorandum d'une Réunion de l'OMS 57

Les centres collaborateurs de l'OMS et le SIDA: Mémorandum d'une Réunion de l'OMS ... 63

Research—Recherche

Cancer control: introduction to a series of reports on strategies and approaches—*J. Stjernswärd, K. Stanley, & I. C. Henderson* 69

A strategy for cancer prevention and control research—*P. Greenwald & C. E. Caban* 73

Secular trends in maternal mortality in Sweden from 1750 to 1980—*U. Högberg & S. Wall*... 79

Age and parity as determinants of maternal mortality—impact of their shifting distribution among parturients in Sweden from 1781 to 1980—*U. Högberg & S. Wall* 85

The dynamics of blood pressure in populations and hypertensive cohorts—*G. B. Ambrosio, J. E. Dowd, T. Strasser, & J. Tuomilehto* 93

Page

An international study on the serological differential diagnosis of human cystic and alveolar echinococcosis—*B. Gottstein, P. M. Schantz, T. Todorov, A. G. Saimot, & P. Jacquier* 101

The role of *Phlebotomus alexandri* Sinton, 1928 in the transmission of kala-azar—*Guan Li-Ren, Xu Yong-Xiang, Li Bao-Shan, & Dong Jiang* 107

Comparative studies of *Leishmania* soluble antigens by crossed-immunoelectrophoresis: demonstration of specific antigens to *L. mexicana* and *L. braziliensis*—*L. L. Leon, M. van Hoegaerden, & B. Galvão-Castro* 113

Induction of delayed-type hypersensitivity in human volunteers immunized with a candidate leprosy vaccine consisting of killed *Mycobacterium leprae*—*H. K. Gill, A. S. Mustafa, & T. Godal* 121

Studies on interventions to prevent eltor cholera transmission in urban slums—*B. C. Deb, B. K. Sircar, P. G. Sengupta, S. P. De, S. K. Mondal, D. N. Gupta, N. C. Saha, S. Ghosh, U. Mitra, & S. C. Pal* 127

Further studies on an improved hemagglutination inhibition test with higher sensitivity for rabies virus antibody—*K. Mifune, K. Mannen, N. Minamoto, & Y. T. Arai* 133

Global survey of antibody to Hantaan-related viruses among peridomestic rodents—*J. W. LeDuc, G. A. Smith, J. E. Childs, F. P. Pinheiro, J. I. Maiztegui, B. Niklasson, A. Antoniades, D. M. Robinson, M. Khin, K. F. Shortridge, M. T. Wooster, M. R. Elwell, P. L. T. Ilbery, D. Koech, E. S. T. Rosa, & L. Rosen* 139

Citrate can effectively replace bicarbonate in oral rehydration salts for cholera and infantile diarrhoea—*M. R. Islam* 145

N° 2

Update—Le point

Male fertility regulation: recent advances—*G. M. H. Waites* 151

Place des plantes médicinales dans la thérapeutique—*N. R. Farnsworth, O. Akerele, A. S. Bingel, D. D. Soejarto, & Z. Guo* 159

WHO Scientific activities—Activités scientifiques OMS

Chemical control of tsetse flies—Genetic and environmental risk factors in coronary heart disease—Cystic fibrosis 177

Lutte chimique contre les glossines—Les facteurs de risque génétiques et environnementaux des cardiopathies coronariennes—La mucoviscidose 181

Memoranda — Mémorandums

Principles of malaria vaccine trials: Memorandum from a WHO Meeting 185

Prevention of avoidable mutational diseases: Memorandum from a WHO Meeting 205

Page

Médicaments essentiels pour la chimiothérapie du cancer: Mémorandum d'une Réunion de l'OMS 217

Deuxième réunion des centres collaborateurs de l'OMS pour le SIDA: Mémorandum d'une Réunion de l'OMS 221

Directives 1986 pour le traitement de l'hypertension limite: Mémorandum d'une Réunion OMS/SIH 233

Research—Recherche

WHO collaborative study on the use of monoclonal antibodies for the intratypic differentiation of poliovirus strains—*M. Ferguson, D. I. Magrath, P. D. Minor, & G. C. Schild* 239

The effectiveness of BCG vaccination of the newborn against childhood tuberculosis in Bangkok—*S. Padungchan, S. Konjanart, S. Kasiratta, S. Daramas, & H. G. ten Dam* ... 247

Mortality from neonatal tetanus in Indonesia: results of two surveys—*R. B. Arnold, T. I. Soewarso, & A. Karyadi* 259

Surveillance of meningococcal infections and other forms of purulent meningitis: a 4-year study in the USSR—*A. A. Demina, V. I. Pokrovskij, T. I. Iljina, L. I. Larina, & N. P. Devjatkina* 263

An international point source outbreak of typhoid fever: a European collaborative investigation—*R. E. Stanwell-Smith & L. R. Ward* 271

A simple urine spot test for monitoring dapsone self-administration in leprosy treatment—*H. Huikeshoven* 279

Epidemiological characteristics of *Toxocara canis* zoonotic infection in children in a Caribbean community—*D. E. Thompson, D. A. P. Bundy, E. S. Cooper, & P. M. Schantz* 283

Risk-approach strategy in neonatal care—*A. Pratinidhi, U. Shah, A. Shrotri, & N. Bodhani* 291

Risk factors for malnutrition in Brazilian children: the role of social and environmental variables—*C. G. Victora, J. P. Vaughan, B. R. Kirkwood, J. C. Martines, & L. B. Barcelos* 299

Evaluating primary prevention programmes against cancer—*J. A. Hanley* 311

Reviews—Analyses

Pertussis: epidemiology and control—*A. S. Muller, J. Leeuwenburg, & D. S. Pratt* 321

N° 3

Update—Le point

Control of echinococcosis/hydatidosis: present status of worldwide progress—*M. A. Gemmell, J. R. Lawson, & M. G. Roberts* 333

Page

Virus humains dans les sédiments, les boues et les sols—*V. Chalapati Rao, T. G. Metcalf, & J. L. Melnick* 341

WHO Scientific activities—Activités scientifiques OMS

Leprosy sample surveys—Prevention of pesticide poisoning—Oral rehydration salts containing trisodium citrate—Diarrhoeal disease control: funds available for research projects in 1987 357

Les sondages dans la surveillance de la lèpre—Prévention de l'intoxication par les pesticides—Sels de réhydratation orale contenant du citrate trisodique—Programme de Lutte contre les maladies diarrhéiques: l'appui aux projets de recherche biomédicale en 1987 361

Memoranda—Mémorandums

Approaches to prevention and early detection of cardiomyopathies: Memorandum from a WHO Meeting 365

Depot-medroxyprogesterone acetate (DMPA) and cancer: Memorandum from a WHO Meeting 375

Research—Recherche

Multicentre clinical trials of benzimidazolecarbamates in human echinococcosis—*A. Davis, Z. S. Pawlowski, & H. Dixon* 383

Use of symptoms and signs for diagnosis of *Trypanosoma brucei rhodesiense* trypanosomiasis by rural health personnel—*B. A. Boatin, G. B. Wyatt, F. K. Wurapa, & M. K. Bulsara* 389

An enzyme test for determining isomalathion impurities in water-dispersible powders of malathion—*E. Reiner & Z. Radić* 397

Comparison of asexual blood-stage antigens of *Plasmodium falciparum* recognized by antibody reagents from nine laboratories—*R. Dayal, C. Decrind, & P. H. Lambert* 403

Emergence endémique de la fièvre jaune en Côte d'Ivoire: place de la détection des IgM antiamariles dans la stratégie de surveillance—*M. Lhuillier, J. L. Sarthou, R. Cordellier, N. Monteny, G. M. Gershy-Damet, & B. Bouchite* 415

Secondary prevention of cancer: an overview—*D. M. Eddy* 421

Cancers of the cervix uteri and breast: changes in incidence rates in Bombay over the last two decades—*K. Jayant* 431

Use of lay opinion leaders to promote diffusion of health innovations in a community programme: lessons learned from the North Karelia project—*P. Puska, K. Koskela, A. McAlister, H. Mäyränen, A. Smolander, S. Moisio, L. Viri, V. Korpelainen, & E. M. Rogers* 437

Smoking rates in Pacific islands—*J. Tuomilehto, P. Zimmet, R. Taylor, P. Bennet, E. Wolf, & J. Kankaanpää* 447

Prevalence of malnutrition in Indian preschool-age children: a survey of wasting and stunting in rural Tamil Nadu, 1983—*M. C. Steinhoff, A. S. Hilder, V. L. Srilatha, & D. Mukarji* 457

Page

Reviews—Analyses

Enzyme immunoassays and related procedures in diagnostic medical virology—*E. Kurstak, P. Tijssen, C. Kurstak, & R. Morisset* 465

N° 4

Update—Le point

Extra-ocular chlamydial infection—*WHO Working Group* 481

Régulation de la fécondité masculine: progrès récents—*G. M. H. Waites* 493

WHO Scientific activities—Activités scientifiques OMS

Prevention of maternal mortality—Evaluation of the streptozyme test for streptococcal antibodies—Anti-malarial drug risk 503

Prévention de la mortalité maternelle—Evaluation du test à la streptozyme pour la recherche des anticorps streptococciques—Risque lié à un antipaludique 507

Memoranda—Mémorandums

Present status of yellow fever: Memorandum from a PAHO Meeting 511

Principes d'expérimentation des vaccins antipaludiques: Mémorandum d'une Réunion de l'OMS 525

Research—Recherche

Iodine deficiency and neonatal hypothyroidism—*N. Kochupillai, C. S. Pandav, M. M. Godbole, M. Mehta, & M. M. S. Ahuja* 547

The etiology of lobar pneumonia in the Gambia—*R. A. Wall, P. T. Corrah, D. C. W. Mabey, & B. M. Greenwood* 553

Evaluation d'un programme de lutte contre la leishmaniose cutanée dans un village forestier de Guyane française—*P. Esterre, J. P. Chippaux, J. F. Lefait, & J. P. Dedet* 559

Blindness and visual impairment in southern Malawi—*M. C. Chirambo, J. M. Tielsch, K. P. West, Jr, J. Katz, T. Tizazu, L. Schwab, G. Johnson, J. Swartwood, H. R. Taylor, & A. Sommer* 567

Rheumatic fever: clinical profile of the initial attack in India — *B. L. Agarwal & R. Agrawal* 573

Diagnosis of *Plasmodium falciparum* infection by spot hybridization assay: specificity, sensitivity, and field applicability—*M. Holmberg, A. Björkman, L. Franzén, L. Åslund, M. Lebbad, U. Pettersson, & H. Wigzell* 579

Metabolic side-effects of injectable depot-medroxyprogesterone acetate, 150 mg three-monthly, in undernourished lactating women—*WHO Task Force on Long-Acting Agents for Fertility Regulation* 587

Reviews—Analyses

Studies of atherosclerosis determinants and precursors during childhood and adolescence —*G. S. Tell, J. Tuomilehto, F. H. Epstein, & T. Strasser* 595

Control of cancer of the cervix uteri—*A WHO Meeting* 607

N° 5

Update—Le point

Childhood blindness from corneal ulceration in Africa: causes, prevention, and treatment —*A. Foster & A. Sommer* 619

Lutte contre l'échinococcose/hydatidose: situation actuelle dans le monde — *M. A. Gemmell, J. R. Lawson, & M. G. Roberts* 625

WHO Scientific activities—Activités scientifiques OMS

Occupational health care programmes for working women—Mercury in fish—Schistosoma haematobium *infection and bladder cancer—Human immunodeficiency virus* 633

Programmes de prestations de médecine du travail destinées aux femmes—Le mercure dans les poissons—Infection à Schistosoma haematobium *et cancer de la vessie—Virus de l'immunodéficience humaine* 637

Memoranda—Mémorandums

The use of DNA probes for malaria diagnosis: Memorandum from a WHO Meeting 641

Prévention des maladies mutationnelles évitables: Mémorandum d'une Réunion de l'OMS... 653

Research—Recherche

A force-of-infection model for onchocerciasis and its applications in the epidemiological evaluation of the Onchocerciasis Control Programme in the Volta River basin area— *J. Remme, O. Ba, K. Y. Dadzie, & M. Karam* 667

The use of quantitative methods in planning national cancer control programmes — *A WHO Meeting* 683

Growth decelerations among under-5-year-old children in Kasongo (Zaire). I. Occurrence of decelerations and impact of measles on growth—*Kasongo Project Team* 695

Growth decelerations among under-5-year-old children in Kasongo (Zaire). II. Relationship with subsequent risk of dying, and operational consequences—*Kasongo Project Team* ... 703

Changes in birthweight distribution from 1973 to 1982 in Addis Ababa—*C. Green-Abate* 711

Surveillance of diarrhoeal diseases in Thailand—*K. Phonboon, P. Kunasol, T. Chayaniyayodhin, & D. Srisomporn* 715

Absorption of vitamin A by children with diarrhoea during treatment with oral rehydration salt solution—*V. Reddy, N. Raghuramulu, Arunjyoti, M. Shivaprakash, & B. Underwood* 721

Page

A simple surveillance system for xerophthalmia and childhood corneal ulceration—*A. Foster, F. Kavishe, A. Sommer, & H. R. Taylor* 725

Relationship between salt excretion and blood pressure in various regions of China: Part 2—*L. S. Liu & S. H. Lai* 729

Single-radial-haemolysis test for diagnosing flavivirus infections, particularly Japanese encephalitis—*S. George & K. Pavri* 735

A cold staining method for acid-fast bacilli—*R. Vasanthakumari, K. Jagannath, & S. Rajasekaran* 741

Application of enzyme immunoassays for the confirmation of clinically suspect plague in Namibia, 1982—*J. E. Williams, L. Arntzen, G. L. Tyndal, & M. Isaäcson* 745

Pesticide resistance mechanisms produced by field selection pressures on *Anopheles nigerrimus* and *A. culicifacies* in Sri Lanka—*J. Hemingway, K. G. I. Jayawardena, & P. R. J. Herath* 753

Sensitivity to quinine and mefloquine of *Plasmodium falciparum* in Thailand—*L. Suebsaeng, W. H. Wernsdorfer, & W. Rooney* 759

Terminology—Terminologie

Allergen nomenclature 767

Nomenclature des allergènes 771

N° 6

Update—Le point

A century of progress in yellow fever—*P. L. J. Brès* 775

Chlamydioses extra-oculaires—*Groupe de Travail de l'OMS* 787

WHO Scientific activities—Activités scientifiques OMS

Orthopoxviruses—Designer drugs—Lactose malabsorption 801

Orthopoxvirus—Médicaments "bricolés"—Malabsorption du lactose 805

Memoranda—Mémorandums

Possibilités de prévention et de détection précoce des myocardiopathies: Mémorandum d'une Réunion de l'OMS 809

La fièvre jaune aujourd'hui: Mémorandum d'une Réunion de l'OPS 821

Acétate de médroxyprogestérone retard (AMPR) et cancer: Mémorandum d'une Réunion de l'OMS 837

Page

Research—Recherche

A health priority for developing countries: the prevention of chronic fetal malnutrition—*J. Villar, L. Altobelli, E. Kestler, & J. Belizan* 847

Immunization of neonates with trivalent oral poliomyelitis vaccine (Sabin)—*Dong De-xiang, Hu Xi-min, Liu Wan-jun, Li Jin-shen, Jin Yu-cai, Tan Shun-ge, Chen Tong-qiu, Fu Jia-zhong, Niu Bu-yun, Yu Hou-min, & Zhou Yun* 853

Evaluation of a poliomyelitis immunization campaign in Madras City—*V. Balraj & T. J. John* 861

Clinical trial of hepatitis B vaccine in a simplified immunization programme—*P. Coursaget, B. Yvonnet, M. Sarr, P. Vincelot, E. Tortey, S. MBoup, J. P. Chiron, & I. Diop-Mar* 867

L'épidémie de fièvre jaune au Burkina Faso en 1983—*D. Baudon, V. Robert, J. Roux, M. Lhuillier, J. F. Saluzzo, J. L. Sarthou, M. Cornet, A. Stanghellini, P. Gazin, J. F. Molez, L. Some, F. Darriet, B. R. Soudret, T. R. Guiguemde, & M. Hennequin* 873

Incidence of rabies and post-exposure treatment in developing countries—*K. Bögel & E. Motschwiller* 883

Defined *Plasmodium falciparum* antigens in malaria serology—*M. S. Gabra, D. Grossiord, L. H. Perrin, A. Shaw, A. Cheung, & I. A. McGregor* 889

Field sampling of *Anopheles* mosquitos for correlated cytogenetic, electrophoretic and morphological studies—*R. H. Hunt & M. Coetzee* 897

Correlation of survival rates of *Anopheles dirus* A (Diptera: Culicidae) with different infection densities of *Plasmodium cynomolgi*—*T. A. Klein, B. A. Harrison, J. S. Grove, S. V. Dixon, & R. G. Andre* 901

ELISA tests for dapsone and pyrimethamine and their application in a malaria chemoprophylaxis programme—*B. M. Greenwood, A. M. Greenwood, A. K. Bradley, F. C. Shenton, A. W. Smith, R. W. Snow, K. Williams, T. A. Eggelte, H. Huikeshoven, & M. de Wit* 909

Public education in cancer prevention—*L. G. Van Parijs* 917

Reviews—Analyses

Use and interpretation of anthropometric indicators of nutritional status—*WHO Working Group* 929

Terminology—Terminologie

Diverses formes cliniques de l'hypertension artérielle: éclaircissements de terminologie 943

INDEXES

Subject index 947

Index des matières 949

Author index—Index des auteurs 951